

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	8720836
<b>Application Number:</b>	10597482
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1762
<b>Title of Invention:</b>	Impulse Noise Management
<b>First Named Inventor/Applicant Name:</b>	Marcos C. Tzannes
<b>Customer Number:</b>	62574
<b>Filer:</b>	Jason Vick/Nancy Davis
<b>Filer Authorized By:</b>	Jason Vick
<b>Attorney Docket Number:</b>	5550-52-PUS
<b>Receipt Date:</b>	28-OCT-2010
<b>Filing Date:</b>	27-JUL-2006
<b>Time Stamp:</b>	12:49:41
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

### Payment information:

Submitted with Payment	no
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		IDS_04.pdf	358342 ab9a546f13cd35776a7ce689c4e7d3d7698f103a	yes	4

	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	3	
	Information Disclosure Statement (IDS) Filed (SB/08)		4	4	
Warnings:					
Information:					
2	NPL Documents	Moulin_Discrete-multitone-based_ADSL_and_VDSL_systems.pdf	720326 64af264ba81bf96df6077ff4d76a40cfc7310272	no	6
Warnings:					
Information:					
3	NPL Documents	Toumpakaris_A_Simple_Byte-Erasure_Method.pdf	696010 c456b979c4291b922f95fd066bab03bc3bc5b531	no	5
Warnings:					
Information:					
4	NPL Documents	5550-52-PEP_OA_08-19-2010.pdf	415479 bbce01008e1710542d784245492e29f1fc201006	no	10
Warnings:					
Information:					
5	NPL Documents	5550-52-PEP-DIV_ESR_8-13-2010.pdf	402621 b94f7d6a4e0a25c07937e64492262fcc770c047f	no	10
Warnings:					
Information:					
6		IDS_05.pdf	334555 bede467821083ad7f639bf4456be329f61b3044c	yes	4
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	3	
	Information Disclosure Statement (IDS) Filed (SB/08)		4	4	
Warnings:					
Information:					
7	NPL Documents	5550-52-PUS-CON_OA_9-22-2010.pdf	233158 65e9999880d3110828c5cd245c6aeeefdee73e6f7	no	7
Warnings:					

<b>Information:</b>	
<b>Total Files Size (in bytes):</b>	3160491
<p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>	